

From: [John Martin](#)
To: [R6 DWH REOC ESC@EPA](#)
Cc: [Donald Williams](#)
Subject: Fw: Air Monitoring Meeting Summary
Date: 06/28/2010 04:14 PM

another one>>>>>>>

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----- Forwarded by John Martin/R6/USEPA/US on 06/28/2010 04:14 PM -----

From: Mark Hansen/R6/USEPA/US
To: Susan Webster/R6/USEPA/US@EPA, John Martin/R6/USEPA/US@EPA, R6_DWH_REOC_RIC@epa.gov
Date: 06/28/2010 08:03 AM
Subject: Fw: Air Monitoring Meeting Summary

Need EU to review this ASAP today and prepare a summary and any conclusions.

If I can be of assistance or answer any questions, please contact me at (214)665-7548 or via email at hansen.mark@epa.gov.

Sincerely,

Mark Hansen
Associate Director for Prevention and Response(6SF-P)
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----- Forwarded by Mark Hansen/R6/USEPA/US on 06/28/2010 08:01 AM -----

From: Erica Canzler/DC/USEPA/US
To: Janet McCabe/DC/USEPA/US@EPA, Al Armendariz/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA, "Al Armendariz" <armendariz.al@epa.gov>, "Lawrence Starfield" <starfield.lawrence@epa.gov>, Richard Windsor/DC/USEPA/US@EPA
Cc: "Dana Tulis" <tulis.dana@epa.gov>, "Cynthia Sonich-Mullin" <sonich-mullin.cynthia@epa.gov>, "Mark Hansen" <hansen.mark@epa.gov>, "Sam Coleman" <coleman.sam@epa.gov>, "Gina

Mccarthy" <mccarthy.gina@epa.gov>

Date: 06/26/2010 07:27 PM

Subject: Re: Air Monitoring Meeting Summary

Agreed. I would also note that EPA made it clear that although a literature search may provide evidence that indicates dioxins are not of concern, that we have reviewed the lit as well and have found it inconclusive and that controlled tests often underestimate dioxins. Thanks to R6 for pulling the mtg together.

Sent from my BlackBerry Wireless Device

▼ Janet McCabe

----- Original Message -----

From: Janet McCabe

Sent: 06/26/2010 08:06 PM EDT

To: Al Armendariz; Sam Coleman; "Al Armendariz" <armendariz.al@epa.gov>; "Lawrence Starfield" <starfield.lawrence@epa.gov>; Richard Windsor

Cc: "Dana Tulis" <tulis.dana@epa.gov>; Erica Canzler; "Cynthia Sonich-Mullin" <sonich-mullin.cynthia@epa.gov>; "Mark Hansen" <hansen.mark@epa.gov>; "Sam Coleman" <coleman.sam@epa.gov>; "Gina McCarthy" <mccarthy.gina@epa.gov>

Subject: Re: Air Monitoring Meeting Summary

These notes look good. My understanding of the discussion was that the priority was thr in situ burns--there was discussion about the fact that dioxin forms at much lower temperatures than the Evergreen burner operates.

▼ Al Armendariz

----- Original Message -----

From: Al Armendariz

Sent: 06/26/2010 08:00 PM EDT

To: Sam Coleman; "Al Armendariz" <armendariz.al@epa.gov>; "Lawrence Starfield" <starfield.lawrence@epa.gov>; Janet McCabe; Richard Windsor

Cc: "Dana Tulis" <tulis.dana@epa.gov>; Erica Canzler; "Cynthia Sonich-Mullin" <sonich-mullin.cynthia@epa.gov>; "Mark Hansen" <hansen.mark@epa.gov>; "Sam Coleman" <coleman.sam@epa.gov>

Subject: Re: Air Monitoring Meeting Summary

Thank you Sam.

HQ Colleagues: we would appreciate your review of these draft notes. If the concepts are satisfactory, Sam and Steve will deliver to Adm Nash, the SSC, and to BP.

Thanks to all.

Al

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▼ Sam Coleman

----- Original Message -----

From: Sam Coleman

Sent: 06/26/2010 07:49 PM EDT

To: "Al Armendariz" <armendariz.al@epa.gov>; "Lawrence Starfield" <starfield.lawrence@epa.gov>; Janet McCabe; Richard Windsor

Cc: "Dana Tulis" <tulis.dana@epa.gov>; Erica Canzler; "Cynthia Sonich-Mullin" <sonich-mullin.cynthia@epa.gov>; "Mark Hansen" <hansen.mark@epa.gov>; "Sam Coleman" <coleman.sam@epa.gov>

Subject: Air Monitoring Meeting Summary

EPA Meeting Notes

June 26, 2010

UAC New Orleans

Subject: dioxin sampling related to the MC252 incident

Al opened the meeting by stressing the urgency and need for sampling oil burning. He pointed out that large quantities were being burned and that a better monitoring method was essential.

BP has contractors currently conducting personal monitoring, as well as area monitoring, around the source. This process has been done in partnership with OSHA, NIOSH, and USCG staff. They are doing area monitoring for traditional IH pollutants of concern: for example SO₂, CO₂, H₂S, and particulates.

EPA is requiring that BP prepare a monitoring plan for sampling of airborne dioxins near the source, potentially co-located with the existing area monitors on the larger rigs and boats near the source.

Large quantities of oil are being burned with off-shore in-situ burns, with the possibility of dioxin or other pollutant formation given the high concentrations of PAHs and other hydrocarbons in the oil plumes, and the availability of chlorine in sea water.

EPA is also requiring that BP prepare a monitoring plan for dioxin formation during in-situ off shore burns. This could include sampling and analysis for dioxins from residues left over on booms and on the water surface after an in-situ burn, and test burning of MC252 oil on marine water at the LSU fire testing center or an equivalent facility. The plan is due to EPA as soon as possible (within 24 Hrs). BP indicated that they would their best but some key staff had time off scheduled and would have to be contacted on Sunday to meet this deadline.

BP indicated that it would like to conduct a literature search on the potential formation of dioxins as a result of oil burning. If conducted, BP could present a summary of the available literature as part of the final report. Al made it clear that this work would not delay sampling.

The USCG's Scientific Support Coordinator (SSC), Charlie Henry of NOAA, has requested EPA assistance to identify the testing parameters, and sampling and analysis methods that would meet EPA's concerns.

The monitoring plan should be sent from BP, through Charlie Henry (NOAA) to EPA for review and comment. The monitoring plan can be conceptual. During its review, EPA will provide specifics on the parameters and methods requested by the SSC, so that this process generates results that are consistent with EPA's concerns.

RDML Nash also pointed out that USCG was committed to requiring the sampling to occur as soon as possible. He made note of TS Alex and the potential associated delays based on the storm track.

RDML Nash directed BP to be prepared to send sampling equipment out to the vessels currently sampling as soon as details are worked out, and it was safe to do so.

EPA will monitor progress of the plan's development and advise if we see any issues that come up.

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